Intelligent Charger
User Manual

IMPORTANT NOTICE

This manual contains important safety and operating instructions for the charger. Read the entire manual before using.

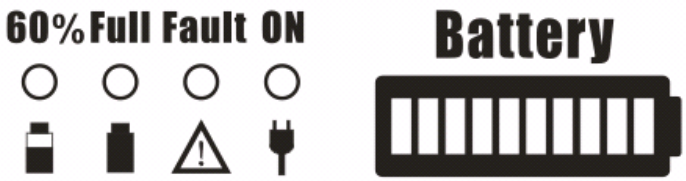
1 Summary

The product is electric vehicle intelligent battery charger. The charge has multiple modes of operation and multi-protection: intelligent MCU control, multiple modes of operation by automatic control, output short circuit protection, over temperature protection, output battery protection, over & under input voltage protection, reverse polarity protection, LED Indicates battery state and timing power off protection.

2 Electric Characteristic

- Input Voltage: 220±20%Vac
- Efficiency: ≥ 89%
- Work Temperature: -10ºC ~ 45ºC

3 Panel Functions Instruction



***60%*:** When battery capacity is charged to 60% total capacity, the yellow led is on.
***Full*:** When battery capacity is charged to full, the green led is on.
***Fault*:** When the battery or charger has faults, the red led flashs.
***ON*:** When the AC power is connected, the red led is on.
***Battery*:** The capacity of battery is indicated.

4 Operating Instruction

4.1 Please make sure the voltage of AC input power before charging.
4.2 High voltage in the charger, don't open it.
4.3 Check polarity of the battery posts. Make sure the battery is connected correctly before charging.
4.4 Connect to the battery, then insert AC plug and turn the switch on.

4.5 The charger should have enough area on all sides of the unit for effective cooling.

4.6 Do not put the charger on carpeted, upholstered, or varnished surfaces when it's working.

5 LED Flash Instructions

5.1 **ON Flash:** The input voltage is under. Please check the AC plug or input voltage.

5.2 **Four Red LED of battery Flash:** Battery is connected of reverse polarity or not connected. Please check the plug of battery.

5.3 **Four Red LED of battery and Fault LED Flash:** The voltage of Battery is too low. Please check the voltage of battery.

5.4 **Fault Flash:** The Output of charger is short circuit.

6 Storage Condition

○ Temperature: -40℃~+70℃

○ Relative humidity: 5%~95%

○ Free from explosive or flammable gas, mordant chemistry stuff, away from mechanical quiver, strike or magnetic field.

7 Warranty

The manufacturer shall replace or repair any chargers if they shall be found to be defective under normal use within a period of one year from the date of purchase.

※ Defects which are due to the following situation are not covered by this warranty:

1. Improper operation by user;
2. Damage due to personal causes, deformation or damage of external casing;
3. Damage of input or output cables;
4. Label sealed by the manufacturer are removed or destroyed.

We will charge a certain amount of repair fees after expiration of the warranty period.